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LISTING OF THE CLAIMS

1 1. (Currently Amended) A method for doing call classification
2 on a call to a destination endpoint, comprising the steps of:
3 receiving audio information from the destination endpoint;
4 analyzing using automatic speech recognition the received
5 audio information for a first type of classification;
6 analyzing using automatic speech recognition the received
7 audio information for a second type of classification wherein the second
8 type of classification is for a presence of tones in the audio information;
9 and
10 determining a call classification for the destination endpoint in
11 response to the analysis of the first type of classification and the analysis
12 of the second type of classification.

1 2. (Original) The method of claim 1 wherein the analysis for the
2 first type of classification is analyzing the audio information for words.

 1 3. (Original) The method of claim 2 wherein the analyzed
2 words are formed as phrases.

1 4. (Original) The method of claim 2 wherein the analysis for the
2 second type of classification is analyzing the audio information for tones.

1 5. (Original) The method of claim 4 wherein the step of
2 receiving audio information further comprises detecting speech or tones in
3 the audio information.

1 6. (Original) The method of claim 5 wherein the step of
2 analyzing for the first type of classification is responsive to the detection of

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3 speech in the audio information to enable the step of executing a Hidden
4 Markov Model to determine the presence of words in the audio
5 information.

1 7. (Original) The method of claim 6 wherein the step of
2 executing comprises the step of using a grammar for speech.

1 8. (Original) The method of claim 6 wherein the step of
2 analyzing for the second type of classification is responsive to the
3 detection of tone in the audio information to enable the step of executing a
4 Hidden Markov Model to determine the presence of tones in the audio
5 information.

1 9. (Original) The method of claim 8 wherein the step of
2 executing comprises the step of using a grammar for tones.

1 10. (Original) The method of claim 8 wherein the step of
2 determining comprises the step of executing an inference engine.

1 11. (Previously Amended) A method for doing call
2 classification on a call to a destination endpoint, comprising the steps of:
3 receiving audio information from the destination endpoint;
4 detecting speech or tones in received audio information;
5 analyzing using automatic speech recognition the received
6 audio information for words in response to the detection of speech;
7 analyzing using automatic speech recognition the received
8 audio information for tones in response to the detection of tones; and
9 determining a call classification for the destination endpoint in
10 response to the analysis of words or the analysis of tones.


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1 12. (Original) The method of claim 11 wherein the step of
2 analyzing for speech comprises the step of executing a Hidden Markov
3 Model to determine the presence of words in the audio information.

1 13. (Original) The method of claim 12 wherein the step of
2 executing comprises the step of using a grammar for speech.

1 14. (Original) The method of claim 12 wherein the step of
2 analyzing for tones comprises the step of executing a Hidden Markov
3 Model to determine the presence of tones in the audio information.

1 15. (Original) The method of claim 14 wherein the step of
2 executing comprises the step of using a grammar for tones.

 1 16. (Original) The method of claim 15 wherein the step of
2 determining comprises the step of executing an inference engine.

1 17. (Currently Amended) A method for doing call classification
2 by a automatic speech recognition unit on a call to a destination endpoint,
3 comprising the steps of:
4 receiving audio information from the destination endpoint by the
5 automatic speech recognition unit;
6 analyzing using automatic speech recognition the received
7 audio information for a first type of classification by the automatic speech
8 recognition unit;
9 analyzing using automatic speech recognition the received
10 audio information for a second type of classification wherein the analysis
11 for the second type of classification is analyzing the audio information for
12 tones automatic speech by the recognition unit; and

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13 determining a call classification for the destination endpoint in
14 response to the analysis of the first type of classification and the analysis
15 of the second type of classification by the automatic speech recognition
16 unit.

1 18. (Original) The method of claim 17 wherein the analysis for
2 the first type of classification is analyzing the audio information for words.

1 19. (Original) The method of claim 18 wherein the analyzed
2 words are formed as phrases.

1 20. (Canceled)

21
1 21. (Currently Amended) The method of claim ~~20~~ 17 wherein
2 the step of receiving audio information further comprises detecting speech
3 or tones in the audio information.

1 22. (Original) The method of claim 21 wherein the step of
2 analyzing for the first type of classification is responsive to the detection of
3 speech in the audio information to enable the step of executing a Hidden
4 Markov Model to determine the presence of words in the audio
5 information.

1 23. (Original) The method of claim 22 wherein the step of
2 executing comprises the step of using a grammar for speech.

1 24. (Original) The method of claim 22 wherein the step of
2 analyzing for the second type of classification is responsive to the
3 detection of tone in the audio information to enable the step of executing a

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4 Hidden Markov Model to determine the presence of tones in the audio
5 information.

1 25. (Original) The method of claim 24 wherein the step of
2 executing comprises the step of using a grammar for tones.

1 26. (Original) The method of claim 24 wherein the step of
2 determining comprises the step of executing an inference engine.

1 27. (Currently Amended) A call classifier for determining the
2 call classification of a called destination endpoint, comprising:
3 an automatic speech recognizer for detecting first
4 characteristics in audio information received from the called destination
5 endpoint;
6 the automatic speech recognizer further detecting ~~second~~
7 ~~characteristics~~ tones in the audio information received from the called
8 destination endpoint; and
9 inference engine for classifying the call in response to the
10 automatic speech recognizer.

1 28. (Original) The call classifier of claim 27 wherein the first
2 characteristics are words.

1 29. (Original) The call classifier of claim 28 wherein the words
2 are formed into phrases.

1 30. (Canceled)

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- 1 31. (Currently Amended) The call classifier of claim ~~30~~ 27
 - 2 wherein the automatic speech recognizer is executing a Hidden Markov
 - 3 Model.
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